

ATTORNEY DOCKET NO. 046124-5333

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
Akira SHIRAKAWA et al.)	
)	
Application No.: Unassigned)	Group Art Unit: Unassigned
)	
U.S. Filing Date: December 16, 2004)	Examiner: Unassigned
)	
National Stage of PCT/JP03/07886)	
)	
PCT Filing Date: June 20, 2003)	
)	
For: FIBER LASER UNIT)	

Commissioner for Patents
U.S. Patent and Trademark Office
2011 South Clark Place
Customer Window, MAIL STOP PCT
Crystal Plaza Two, Lobby, Room 1B03
Arlington, VA 22202

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Enclosed is a search report from the Japanese Patent Office from the PCT application from which this National Phase U.S. Application is derived, citing the documents, setting forth the relevance thereof.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If it should be determined that the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 50-0310.

Respectfully submitted,

MORGAN, LEWIS & BOCKIUS LLP



John G. Smith Reg. No. 33,818

Date: December 16, 2004

MORGAN, LEWIS & BOCKIUS LLP
1111 Pennsylvania Avenue, N.W.
Washington, D.C. 20004
(202) 739-3000

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) PTO Form 1449 Page 1 of 2	Attorney Docket No. 046124-5333	Serial No. Unassigned
	Applicants Akira SHIRAKAWA et al.	
	Filing Date December 16, 2004	Group Unassigned

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Sub Class	<u>Translation</u>	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	SIMPSON, T.B. et al., Extraction characteristics of a dual fiber compound cavity, Optics Express, October 7, 2002, Vol. 10, No. 20, pages 1060 to 1073.
	SIMPSON, T.B. et al., Coherent Intracavity Coupling of Fiber Lasers, 2001 IEEE/LEOS Annual Meeting Conference Proceedings (LEOS 2001), November 14, 2001, Vol. 1, Pages 62 to 63, ISSN:1092-8081
	KOZLOV, V.A. et al., All-fiber coherent beam combining of fiber lasers, Optics Letters, December 15, 1999, Vol. 24, No. 24, pages 1814 to 1816.
	SHIRAKAWA, A. et al., Coherent addition of fiber lasers by use of a fiber coupler, Optics Express, October 21, 2002, Vol. 10, No. 21, pages 1167 to 1172.
	Tomoki SEKIGUCHI et al., "Hikari Fiber Coupler o mochiita Laser diode no Coherent Kasan", 2002 nen, Shuki Dai 63 kai Extended abstracts; The Japan Society of Applied Physics, September 24, 2002, No. 3, page 933, (lecture No. 25p-YC-1).
	Akira SHIRAKAWA et al. "Hokosei Ketsugoki o Mochiita Coherent Fiber Array Laser", 2002 nen (Heisei 14 nen), Shunki Dai 49 kai Oyo Butsurigaku Kankei Rengo Koenkai Koen Yokoshu, March 27, 2002, No. 3, page 1055, (lecture No. 30a-ZG-9)
Examiner	Date Considered
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) PTO Form 1449 Page 2 of 2	Attorney Docket No. 046124-5333	Serial No. Unassigned
	Applicants Akira SHIRAKAWA et al.	
	Filing Date December 16, 2004	Group Unassigned

U.S. PATENT DOCUMENTS

*Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date

FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	Sub Class	Translation	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	LYNDIN, N.M. et al., Laser system composed of several active elements connected by single-mode couplers, Quantum Electronics, December 1994, Vol. 24, No.12, pages 1058 to 1061.
	LYNDIN, N.M. et al., Coherent coupling of two Nd ³⁺ -doped single-mode waveguide lasers using Y-junction, Proceedings of the SPIE-The International Society for Optical Engineering, April 1994, Vol.# 2212, pages 564 to 570.
	SABOURDY, D. et al., Power scaling of fiber lasers with all-fiber interferometric cavity, Electronics Letters, July 4, 2002, Vol.38, No. 14, pages 692 to 693.
	MOREL, J. et al., Coherent coupling of an array of Nd ³⁺ -doped single-mode fiber lasers by use of an intracavity phase grating., Optics Letters, September 15, 1993, Vol. 18, No. 18, pages 1520 to 1522.
	Diode Laser Arrays, " D. Botez and D.R. Scifres, Cambridge Studies in Modern Optics, 1994, p.1.
	A Coherent All-Solid-State Laser Array Using the Talbot Effect in a Three-Mirror Cavity." Y. Kono, M. Takeoka, K. Uto, A. Uchida, and F. Kannari, IEEE Journal of Quantum Electronics, Vol. 36, 2000, pp. 1-8.
	Phase-locking of the 2D structures, " V.V. Apollonov, S.I. Derzhavin, V.I. Kislov, V.V. Kuzminov, D.A. Mashkovsky, and A.M. Prokhorov, Opt. Express 4, 1999, pp.19-26.

Examiner	Date Considered
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	